Sheet 1 of

Form PTO-1449

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SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
PAD	AC	Bajaj et al., "A Monoclonal Antibody to Factor IX That Inhibits the Factor VIII:Ca Potentiation of Factor X Activation", J. Biol. Chem., Vol. 260, No. 21, pp. 11574-11580 (1985)
1	AD	Bajaj et al., "Antibody-Probed Conformational Transitions in the Protease Domain of Human Factor IX Upon Calcium Binding and Zymogen Activation: Putative High-Affinity Ca2+-Binding Site in the Protease Domain", <i>Proc. Natl. Acad. Sci.</i> , USA, Vol. 89, pp. 152-156 (1992)
	AE	Cheung et al., "Localization of a Calcium-Dependent Epitope to the Amino Terminal Region of the GLA Domain of Human Factor IX", <i>Thrombosis Research</i> , Vol. 81, No. 1, pp. 65-73 (1996)
	AF	Church et al., "An Inhibitory Monoclonal Antibody to Factor X that Blocks Prothombin Activation but not Prothrombinase Enzyme Assembly", <i>Blood</i> , Vol. 72, No. 6 (December), pp. 1911-1921 (1988)
	AG	Donath et al., "Kinetics of Factor VIII Light-Chain Cleavage by Thrombin and Faxtor Xa", Fur. I. Riochem. Vol. 240, pp. 365-372 (1996)
	АН	Frazier et al., "Mapping of Monoclonal Antibodies to Human Factor IX", <i>Blood</i> , Vol. 74, No. 3
	AI	Fulcher et al., "Localization of Human Factor FVIII Inhibitor Epitopes to Two Polypeptide Fragments", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 82, pp. 7728-7732 (1985)
	AJ	Healey et al., "Residues 484-508 Contain a Major Determinant of the Inhibitory Epitope in the A2 Domain of Human Factor VIII", J. Biol. Chem., Vol. 270, No. 24, pp. 14505-14509 (1995)
	AK	Hoffman et al., "Factors IXa and Xa Play Distinct Roles in Tissue Factor-Dependent Initiation of Coagulation", <i>Blood</i> , Vol. 86, No. 5, pp. 1794-1801 (1995)
	AL	L. Hoyer and D. Scandella, "Factor VIII Inhibitors: Structure and Function in Autoantibody and Hemophilia A Patients", Seminars in Hematology, Vol. 31, No. 2, Suppl. 4, pp. 1-5 (1994)
	AM	Jenny et al., Immunochemical Techniques for Studying Coagulation Proteins", Methods in Enzymology, Vol. 222, pp. 400-416 (1993)
1	AN	Larson et al., "Structural Integritity of the γ-Carboxyglutamic Acid Domain of Human Blood Coagulation Factor IXa is Required for Its Binding to Cofactor VIIIa", <i>J. Biol. Chem.</i> , Vol. 271, No. 7, pp. 3869-3876 (1996)
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	40	Levte et al., "Inhibition of Hum	an Coagu	lation Factor VIII by Mo	noclonal	Antibodies"	,		
PAD	AO	Leyte et al., "Inhibition of Human Coagulation Factor VIII by Monoclonal Antibodies", J. Biochem., Vol. 263, pp. 187-194 (1989)							
1	AP		nan Factor	ctor VIIIa by Anti-A2 Subunit Antibodies", J. Clin. Invest.,					
	10	Vol. 93, pp. 2497-2504 (1994) J. Loscalzo and A. Schafer, "Fa	aton VIII	and Other Coomilation F	actor Inh	ibitors"			
	AQ	Thrombosis and Hemorrhage, C	Ctor viii Chanter 30	and Other Coagulation 19 7. pp. 729-747 (1994)	actor IIII	nonors,			
	AR	Lubin et al., "Elimination of a M	Major Inhi	ibitor Epitope in Factor V	/III", <i>J</i> . <i>I</i>	Biol. Chem.,	Vol. 269,		
		No. 12 pp. 8639-8641 (1994)				•			
	AS	Quellette, et al., "Neutralization	of Facto	r X Activity by Factor X-	-Specific	Monoclonal	Antibodies",		
		Blood Coagulation and Fibrino Saenko et al., "Slowed Release	olysis, Vol	. 3, pp. 563-574 (1992)	from you	n Willebrand	Factor		
	AT	by a Monoclonal and a Human	Of Infom	Is a Novel Mechanism for	or Factor	r VIII Inhibit	ion",		
ŀ		J. Biol. Chem., Vol. 271, No. 44	4, pp. 274	24-27431 (1996)			•		
	AU	D. Scandella, "Human Antibod	ies Which	Inactivate Factor VIII:	Their Ep	itope Specif	icity		
		and Biochemical and Functiona	al Charact	eristics", International Jo	ournal oj	f Pediatric H	ematology/		
		Oncology, Vol. 1, pp. 437-447							
	AV	D. Scandella, "Human Anti-Fac	ctor VIII	Antibodies: Epitope Loc	alization	and Inhibito	ry Function",		
	A 337	Vox Sanguinis, Vol. 70 (suppl Sinha et al., "Functional Characteristics of the supplied of the	1), pp. 9-1	4 (1990) of Human Blood Coam	lation F	actor XIa IIs	ing Hybridom		
	AW	Antibodies", J. of Biol. Chem.,	Vol. 260.	No. 19, pp. 10714-10719	9 (1985)		6 22) 01160111		
	AX	S•hngen et al., "Acquired Factor	or VIII Inl	nibitors in Nonhemophili	c Patient	s", Ann Hem	atol.,		
	L	Vol. 74, pp. 89-93 (1997)							
	AY	Sugahara et al., "Isolation and		ization of Canine Factor	IX", Thr	ombosis and	Haemonstasi		
	<u></u>	Vol. 75(3), pp. 450-455 (1966)	D	anizad with Inhibitant M	Ionaclan	al Antibodia	s" Acta		
1	AZ	Tiarks et al., "Factor VIII Epito Haematol, Vol. 83, pp. 69-75 (gmzed with inhibitory iv	OHOCIOH	ai Ailuoule	.,nu		
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PAD	ВА	Abstracts, "Thrombosis and Haemostasis	s , J. International Societ	y on Thic	moosis and	1100	,			
PHD	DD	Vol. 69(6), p. 1239, Abstract 2485 (1993) Bessos et al., "The Characterization of a Panel of Monoclonal Antibodies to Human Coagulation								
1	BB	Easter IV" Thrombosis Research Vol. 40 pp. 863-867 (1985)								
	BC	Biodmand et al. "Complete Inhibition of	f Endotoxin-Induced Coa	gulation .	Activation in Chimpanzee					
1	ВС	With a Monoclonal Fab Fragment Again	st Factor VII/VIIa", Thro	mbosis a	nd Haemost	asis, Vol	. 73,			
		No. 1, pp. 223-230 (1995)		_						
	BD	F. Desposito and Y. Arkel, "Inhibitors of	f Coagulation in Children	", Critica	ıl Reviews ir	ı				
		Outsile my/Hematelean, Vol. 7, No. 1, pp	53-69 (1987)							
	BE	Griffin et al., "The Production and Chara	acterisation of a Panel of	Ten Mur	ine Monocio	mai Anui 7 46 (108	3001es			
		to Human Procoagulant Factor VIII", The	rombosis and Haemosias	Applicat	ion" Annu	Rev Imm	unol			
	BF	S. Morrison, "In Vitro Antibodies: Strat	legies for Production and	Аррисац	ion , Annu.	ICEV. IIIIIII	unoi.,			
	7.0	Vol. 10, pp. 239-65 (1992) Warrier et al., "Safety of High Doses of	a Monoclonal Antibody-	Purified I	Factor IX Co	ncentrate	a",			
	BG	American Journal of Hematology, Vol.	49 pp. 92-94 (1995)							
	ВН	Lenting et al., "A Novel Antithrombotic	Strategy Based on Inhih	itors of F	actor VIII-F	actor IX				
1	ВП	Complex Assembly", Thrombosis and E	Jemostasis June Supplen	nent, p. 68	39 (1997)					
}	BI	Lanting et al. "The Sequence Glu 1811_	Lys ¹⁸¹⁸ of Human Blood	l Coagula	tion Factor	VIII Con	prise			
1	DI	a Binding Site for Activated Factor IX",	The Journal of Biologic	al Chemis	stry, Vol. 27	1, No. 4,				
		nn 1025 1040 (1006)								
	BJ	Lanting et al. "Identification of a Bindi	ng Site for Blood Coagul	ation Fac	tor IXa on the	he Light (Chain			
		of Human Factor VIII". The Journal of Biological Chemistry, Vol. 269, No. 10, pp. 7130-7133 (199								
	BK	I Stryer Biochemistry, W.H. Freeman	L. Stryer, Biochemistry, W.H. Freeman and Company, San Francisco, 1981, pp. 512-513							
	BL	Kasai et al., "Molecular Cloning of Mu	rine Monoclonal Anti-idi	otypic Fa	b", Journai	oj				
		Immunological Methods, Vol. 155, pp.	77-89 (1992)	<u> </u>						
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		Fang et al "Human	Rheumato	oid actors v	vith Restrictive Specificit	y for Ra	bbit Immunc	globulin	G:
PAD	BM	Fang et al., "Human Rheumatoid actors with Restrictive Specificity for Rabbit Immunoglobulin G: Auto- and Multi-reactivity, Diverse VAIIIb", J. Exp. Med., Vol. 179, pp. 1445-1456 (1994)							
	BN	Silberstein et al., "Relationship of Variable Region Genes Expressed by a Human B Cell							
		Autoantibodies", J.	Exp. Med.	, Vol. 169,	pp. 1631-1643 (1989)				
	BO	Pascual, et al., "The	e Complete	Nucleotide	e Sequences of the Heavy	Chain F	Regions R	heumato	oid;
		Arthritis", J. Clin. I	nvest., Vol	. 86, pp. 13	320-1328 (1990)	6.6	· 1 F		
	BP	Roark, et al., "Brea	kdown of I	3 Cell Tole	rance in a Mouse Model	of Syster	nic Lupus E	rytnemat	.osus ,
		J. Exp. Med., Vol.	181, pp. 11	57-1167 (1	995)	Amino	Acid Interch	ange in a	
	BQ	S. Stark and A. Cat	on, "Antibe	odies I hat	Are Specific for a Single Variable Regions", J. Ex	n Med	Vol 174 p	n. 613-62	24
		(1991)	e Structura	ny Distinct	. Valiable Regions , J. L.	rp. Mea.	, voi. 17 i, p	p. 015 0.	-
	BR	Minnema et al "Fi	nhancemer	t of Rabbit	Jugular Vein Thromboly	sis by N	eutralization	of Facto	or XI",
j	DK	I Clin Invest Vol	l. 101. pp. 1	10-14 (1993	3)				
	BS	C. Granger, "Hepar	rin Manage	ment in Ac	cute Myocardial Infarctio	n (AMI)	', Aust NZ J	Med, Vo	1. 28,
		pp. 541-547 (1998)							
	BT	Watkins et al., "De	terminants	of Reboun	d Thrombin Activity Afte	er Cessat	ion of Hepar	rin in	
		PatientsUndergoing	g Coronary	Interventi	ons", Catheterization and	! Cardio	vascular Dia	gnosis, \	√ol. 44
		pp 257-264 (1998)	\						
	BU	Cannon et al., "TN	K-Tissue F	Plasminoge	n Activator Compared W	ith Front	-Loaded Alt	epiase in	Acute
		Myocardial Infarct	ion", Circu	ilation, Vo	1. 98, No. 25, pp. 2805-14	(1998) n A ations	or That Dia	alay.	
	BV	K. Tachias and E. I	Madison, "	Variants of	Tissue-type Plasminoge	n Actival	tor That DIS _[f Riological	nay Chemist	n Vo
		Extraordinary P	iasminoge:	n Activator	Inhibitor Type 1", The J	ournat O	Divivgicui	-nemusii	<i>y</i> , •0
	DW	272, No. 23, pp. 14	600-14383	inogen Act	ivator/P-Selectin Fusion	Protein 1	s an Effectiv	/e	
V	BW	Thrombolytic Age	osue Fiasili nt". <i>Circuli</i>	ation. Vol.	95, pp. 715-722 (1997)				
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_	BX	plasminogenTh	e Assent-1 t	rial", Clini	cal Investigation, Americ	an Hear	t Journal, Vo	ol. 137, N	No. 5,	
PAD		plasminogen The Assent-1 trial", Clinical Investigation, American Heart Journal, Vol. 137, No. 5, pp. 786-791 (1999)								
1	BY	Coombs et al., "Di	recting Sequ	ience-speci	fic Proteolysis to New T	argets",	The Journal	of		
		Biological Chemis	try, Vol. 27.	3, No. 8, pp	. 4323-4828 (1998)					
	BZ				nibition and Clinical Out		Patients	Results		
		From the GUSTO	-I Trial", JA	<i>CC</i> , Vol. 3	l, No. 3, pp. 597-505 (19	98)	^ ~ .			
	CA				ombin Generation and A					
 		Intravenous Hepar	in Coro	nary Syndr	omes", Circulation, Vol.	J.vois	A Pole for t	ha Intrin	cic	
	CB	Bouma et al., Fac	tor A1 and F lation in Eib	Tolection o	of the Fibrin Clot Against Thromb. Haemost., Vol.	20 nn '	24-27 (1998)	iic mumi	310	
	CC	Paulway of Coagu	orrhagic Ex	ents during	Therapy with Recombing	ant Tiss	ue-Type Plas	sminogei	n	
1 1		Activator Henarin	and Aspiri	n Mvc	ardial Infarction", Ann. I	ntern. M	ed., Vol. 115	(4), pp. 1	256-	
		265 (1991)	i, una rispiri				,	· // 11		
	CD	Becker et al., "Mo	lecular Basi	s for the Re	esistance of Fibrin-bound	Thromb	in to Inactiv	ation By	,	
		Heparin/Serpin Co	omplexes", I	n: Chemisi	try and Biology of Serpin	s, eds., 0	Chuch et al.,	Plenum 1	Press,	
		New York, pp. 55								
	CE				in Acute Myocardialc			of the rt	-PA-	
		APSAC Patency S	tudy (TAPS	(s)", <i>JACC</i> ,	Vol. 19, No. 5, pp. 885-8	91 (1992	2)			
	CF				InfarctionWith Recon		Tissue Plasm	inogen		
			Activator and Streptokinase", <i>JACC</i> , Vol. 11, No. 1, pp. 1-11 (1988) E. Topol, "The Future of Antithrombotic and Antiplatelet Therapy for Ischemic Heart Disease",							
\(\psi\)	CG					for Isch	iemic Heart	Disease"	,	
	-	American Heart J	ournai, VOI.	133, pp. 8	00-300 (1778)					
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